

FILTER DATASHEET

CMI FILTRATION



Global Delivery and Fulfillment

The Reliable Company

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CMI String Wound Cartridge

Polypropylene String Wound Filter

Description

String Wound Cartridge is a kind of depth filtration with the micron rating decided by the wound pattern and wound density of filament yarn. Its pore is bigger outside and smaller inside. It is mostly used in low viscosity and low impurity liquid, and also suspended particular materials. With different types of filament media, the cartridges could meet different applications like: water treatment, food & beverage, organic solvent, plating solution in electronics industry, petrochemical industry, hydraulic liquid, lubricant and so on.

Features

- Honeycomb structure makes it higher efficiency
- Both spirals welding and straight welding are available
- Good chemical compatibility by different filtration media
- Full range of removal ratings
- Different sizes (length and diameter) are available
- Big flow rate and high dirt holding capacity



Specifications:

Material:

Filter Media: Polypropylene

Inner Core: Polypropylene /SS304/SS316L

Gasket: NBR, EPDM, Viton, Silicon

Micron ratings: 1, 3, 5, 10, 20, 25, 50, 75, 100, 150µm

Max. Operating Pressure: 2.0 Bar@25 °C

Max. Operating Temperature:

PP media with PP core ≤ 70 °C

PP media with SS core ≤ 90 °C

Length: 5"(127mm), 10"(254mm), 20"(508mm), 30"(762mm), 40"(1016mm), 50"(1270mm), 60"(1524mm), 70"(1778mm)

ID: 28mm, 30mm

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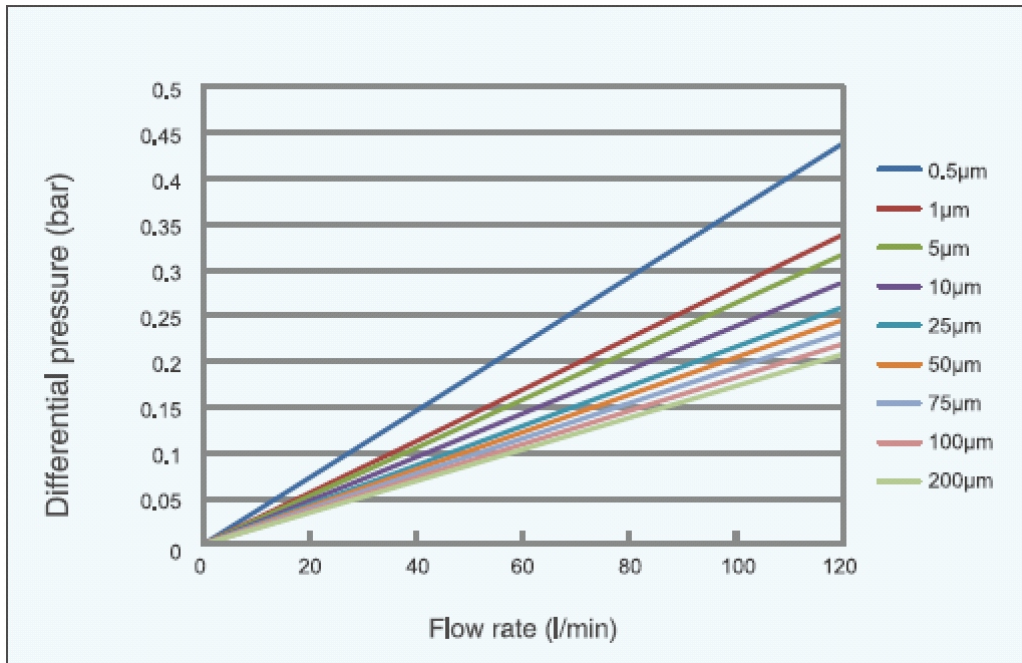


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CMI String Wound Cartridge

Polypropylene String Wound Filter

Flow Rate of 10inch, for fluids with a dynamic viscosity of 1m Pa.s @20°C (68°F)



Ordering Table:

CODE	Media Material	Inner Core	Length	OD	Micron Rating	O-ring Material	End Connections
CSW	PP-Polypropylene	S-SS304	5-5inch	60-60mm	1-1µm	E-EPDM	D-Double Open
		SS-SS316L	10-10inch	62-62mm	3-3µm	V-Viton	End
		P-Polypropylene	20-20inch	68-68mm	5-5µm	B-NBR	2-222 flat, single
			40-40inch	114-114mm	10-10µm	S-Silicon	Open End
			60-60inch	m		2F-222 Fin, Single
			...				Open End
					6-226 flat, single		
						Open End	
						6F-226 Fin, Single	
						Open End	

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CMI String Wound Cartridge

Absorbent Cotton String Wound Filter

Description

Absorbent Cotton string wound cartridge is made from absorbent cotton yarn and comes out with special patterns by certain technology. It is a kind of depth filtration with the micron rating decided by the wound pattern and wound density of filament yarn. Its pore is bigger outside and smaller inside. It is mostly used in low viscosity and low impurity liquid, and also suspended particular materials. With different types of filament media, the cartridges could meet different applications like: water treatment, food & beverage, organic solvent, plating solution in electronics industry, petrochemical industry, hydraulic liquid, lubricant and so on.

Features

- Honeycomb structure makes it higher efficiency
- Both spirals welding and straight welding are available
- Good chemical compatibility by different filtration media
- Full range of removal ratings
- Different sizes (length and diameter) are available
- Big flow rate and high dirt holding capacity
- Good applied for prefiltration before RO system



Specifications:

Material:

Filter Media: Absorbent Cotton

Inner Core: Polypropylene /SS304/SS316L

Gasket: NBR, EPDM, Viton, Silicon

Micron ratings: 1, 3, 5, 10, 20, 25, 50,75,100,150µm

Max. Operating Pressure:2.0 Bar@25 °C

Max. Operating Temperature:

Absorbent Cotton media with PP core ≤ 70 °C

Absorbent Cotton media with SS core ≤ 120 °C

Length: 5"(127mm), 10"(254mm), 20"(508mm), 30"(762mm),
40"(1016mm), 50"(1270mm), 60"(1524mm), 70"(1778mm)

OD: 60mm,62mm,68mm,114mm

ID:28mm,30mm

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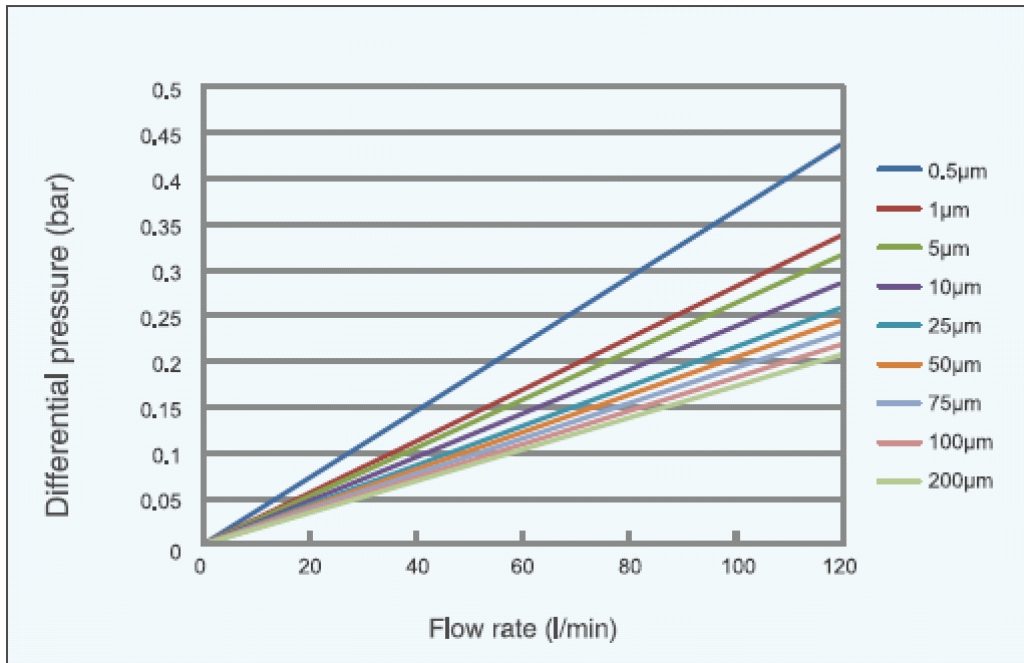


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CMI String Wound Cartridge

Absorbent Cotton String Wound Filter

Flow Rate of 10inch, for fluids with a dynamic viscosity of 1m Pa.s @20°C (68°F)



Ordering Table:

CODE	Media Material	Inner Core	Length	OD	Micron Rating	O-ring Material	End Connections
CSW	AC-Absorbent Cotton	S-SS304	5-5inch	60-60mm	1-1µm	E-EPDM	D-Double Open End
		SS-SS316L	10-10inch	62-62mm	3-3µm	V-Viton	End
		P-Polypropylene	20-20inch	68-68mm	5-5µm	B-NBR	2-222 flat, single Open End
			40-40inch	114-114mm	10-10µm	S-Silicon	2F-222 Fin, Single Open End
			60-60inch		6-226 flat, single Open End
			...				6F-226 Fin, Single Open End

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CMI String Wound Cartridge

Glass Fiber String Wound Filter

Description

Glass Fiber string wound cartridge is made from high quality glass fiber yarn and comes out with special patterns by certain technology. It is a kind of depth filtration with the micron rating decided by the wound pattern and wound density of filament yarn. Its pore is bigger outside and smaller inside. It is mostly used in low viscosity and low impurity liquid, and also suspended particular materials. With different types of filament media, the cartridges could meet different applications like: water treatment, food & beverage, organic solvent, plating solution in electronics industry, petrochemical industry, hydraulic liquid, lubricant and so on.

Features

- Honeycomb structure makes it higher efficiency
- Both spirals welding and straight welding are available
- Good chemical compatibility by different filtration media
- Full range of removal ratings
- Different sizes (length and diameter) are available
- Big flow rate and high dirt holding capacity
- Good applied for prefiltration before RO system



Specifications

Material:

Filter Media: Glass Fiber

Inner Core: Polypropylene /SS304/SS316L

Gasket: NBR, EPDM, Viton, Silicon

Micron ratings: 1, 3, 5, 10, 20, 25, 50,75,100,150µm

Max. Operating Pressure:2.0 Bar@25 °C

Max. Operating Temperature:

Absorbent Cotton media with PP core ≤ 70 °C

Absorbent Cotton media with SS core ≤ 200 °C

Length: 5"(127mm), 10"(254mm), 20"(508mm), 30"(762mm), 40"(1016mm),
50"(1270mm), 60"(1524mm), 70"(1778mm)

OD: 60mm,62mm,68mm,114mm

ID:28mm,30mm

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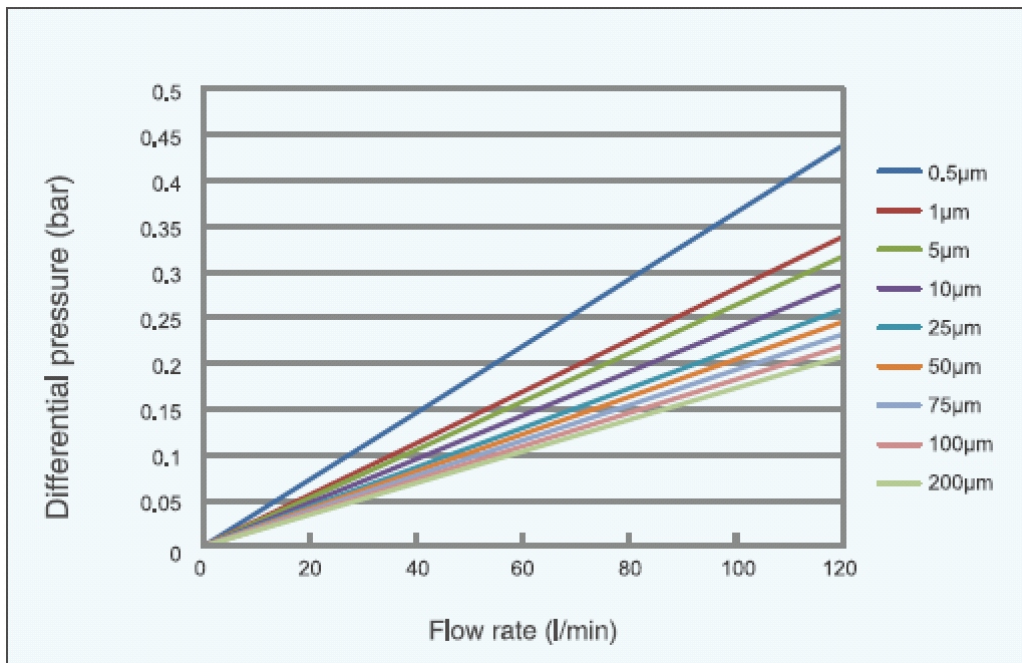


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CMI String Wound Cartridge

Glass Fiber String Wound Filter

Flow Rate of 10inch, for fluids with a dynamic viscosity of 1m Pa.s @20°C (68°F)



Ordering Table:

CODE	Media Material	Inner Core	Length	OD	Micron Rating	O-ring Material	End Connections
CSW	GF- Glass Fiber	S-SS304	5-5inch	60-60mm	1-1µm	E-EPDM	D-Double Open
		SS-SS316L	10-10inch	62-62mm	3-3µm	V-Viton	End
		P-Polypropylene	20-20inch	68-68mm	5-5µm	B-NBR	2-222 flat, single
			40-40inch	114-114mm	10-10µm	S-Silicon	Open End
			60-60inch				2F-222 Fin, Single
			...				Open End
					6-226 flat, single		
					Open End		
						6F-226 Fin, Single	
						Open End	

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CMI String Wound Cartridge

Power Plant String Wound Filter

Description

Power Plant Series Filter Cartridge is made from fine fiber yarn and comes out special patterns by certain technology.

Its pore is bigger outside and smaller inside. It is mostly used in low viscosity and low impurity liquid, and also suspended particular materials. With different types of filament media, the cartridges could meet different applications like: water treatment, food & beverage, organic solvent, plating solution in electronics industry, petrochemical industry, hydraulic liquid, lubricant and so on.

It is a good choice for filtration of power plant condensate water treatment.

Features

- Honeycomb structure makes it higher efficiency
- Both spirals welding and straight welding are available
- Good chemical compatibility by different filtration media
- Full range of removal ratings
- Different sizes (length and diameter) are available
- Big flow rate and high dirt holding capacity
- Various connections are available
- Length can be up to 70inch



Specifications

Material:

Filter Media: Polypropylene

Inner Core: Polypropylene /SS304/SS316L

Gasket: NBR, EPDM, Viton, Silicon

Micron ratings: 1, 3, 5, 10, 20, 25, 50, 75, 100, 150µm

Max. Operating Pressure: 2.0 Bar@25 °C

Max. Operating Temperature:

Polypropylene media with PP core ≤ 70 °C

Polypropylene media with SS core ≤ 90 °C

Length: 5"(127mm), 10"(254mm), 20"(508mm), 30"(762mm), 40"(1016mm), 50"(1270mm), 60"(1524mm), 70"(1778mm)

OD: 60mm, 62mm, 68mm, 114mm

ID: 28mm, 30mm

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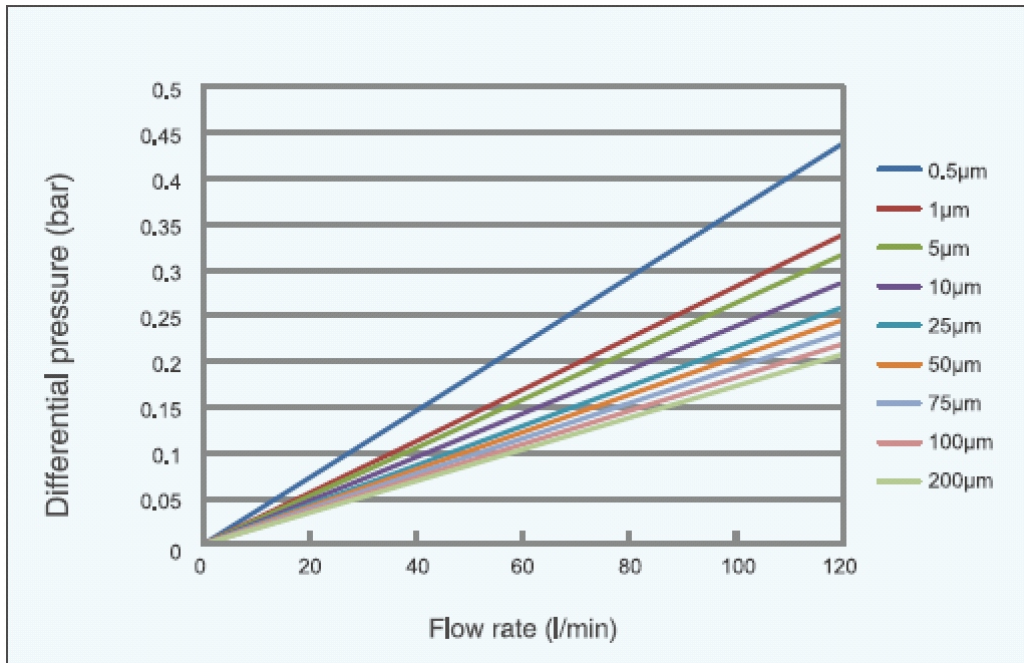


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CMI String Wound Cartridge

Power Plant String Wound Filter

Flow Rate of 10inch, for fluids with a dynamic viscosity of 1m Pa.s @20°C (68°F)



Ordering Table:

CODE	Media Material	Inner Core	Length	OD	Micron Rating	O-ring Material	End Connections
CSW	PP- Glass Fiber	S-SS304 SS-SS316L P-Polypropylene	5-5inch 10-10inch 20-20inch 40-40inch 60-60inch ...	60-60mm 62-62mm 68-68mm 114-114mm	1-1µm 3-3µm 5-5µm 10-10µm	E-EPDM V-Viton B-NBR S-Silicon	D-Double Open End 2-222 flat, single Open End 2F-222 Fin, Single Open End 6-226 flat, single Open End 6F-226 Fin, Single Open End

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CMI Membrane Pleated Cartridge

Power Plant Membrane Pleated Cartridge

Description

Polypropylene pleated filter cartridge is constructed of micro polypropylene media and nonwoven or silk net support. Adaptors are thermally welded to cartridge without using any glue, so there is no second pollution caused by it.

It delivers high efficiency and consistent filtration for wide range of critical applications. Removal of particles from 0.2 to 50 micron, available in both nominal and absolute ratings.

Features

- Excellent chemical compatibility
- Pleated structure increases filtration area
- Low pressure drop and long service life
- Full range of removal ratings
- Made of high purity polypropylene
- Pleated construction provides high flow rates, low initial
- Differential pressure and good dirt hold capacity



Specifications

Material:

Media: Pleated polypropylene

Inner core, cage, caps, support layer: polypropylene, Stainless Steel

O-ring: Buna N, EPDM, Viton, Silicone, FEP/Silicone, FEP/Viton

Micron ratings: 0.1, 0.22, 0.45, 1, 5, 10, 20, 50µm

Length: 60inch(1524mm), 70inch(1778mm)

Outside Diameter: 2.36inch(60mm), 2.56inch(65mm), 2.68inch(68mm)

Max. differential pressure:

2.4 bar@80°C (34.8psid@176°F)

4.81 bar@21°C (69.7psid@70°F)

Max. Operating Temperature: 80°C

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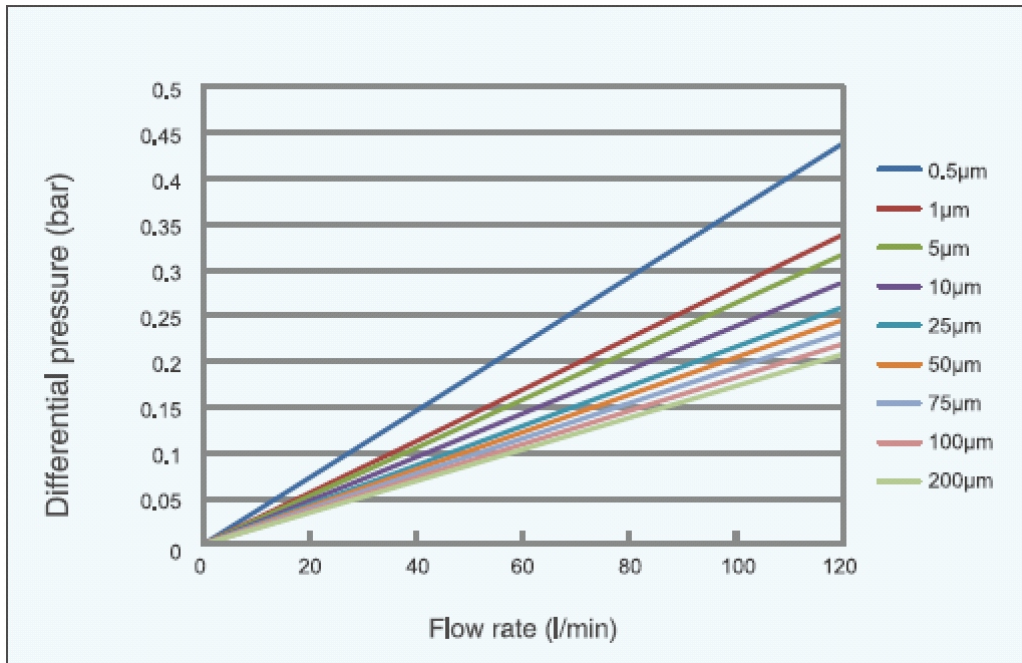


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CMI Membrane Pleated Cartridge

Power Plant Membrane Pleated Cartridge

Flow Rate of 10inch, for fluids with a dynamic viscosity of 1m Pa.s @20°C (68°F)



Ordering Table:

CODE	Media Material	Length	OD	Micron Rating	O-ring Material	End Connections
CMPC	PP- Polypropylene	60-60inch 70-70inch	60-60mm 65-65mm 68-68mm	1-1µm 5-5µm 10-10µm 25-25µm	E-EPDM V-Viton B-NBR S-Silicon	D-Double Open End 2-222 flat, single Open End 2F-222 Fin, Single Open End 6-226 flat, single Open End 6F-226 Fin, Single Open End

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